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	Application No.	Applicant(s)	
Notice of Allowability	10/006,385	KELLER ET AL.	
	Examiner	Art Unit	
	Ling-Siu Choi	1713	
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313 1. This communication is responsive to the Amendment filed	(OR REMAINS) CLOSED in this a or other appropriate communication IGHTS. This application is subject and MPEP 1308.	pplication. If not included on will be mailed in due course. THI	
2. X The allowed claim(s) is/are 1-19.			
3. The drawings filed on <u>07 March 2002</u> are accepted by the	Examiner.		
4. Acknowledgment is made of a claim for foreign priority unall All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 1. Certified copies not received: **Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be submained in the submained of the su	e been received. e been received in Application No. cuments have been received in thi of this communication to file a repl IENT of this application. itted. Note the attached EXAMINE es reason(s) why the oath or decla st be submitted. son's Patent Drawing Review (PTO es Amendment / Comment or in the 1.84(c)) should be written on the draw the header according to 37 CFR 1.12 sit of BIOLOGICAL MATERIAL	s national stage application from the system of national stage application from the system of nation is deficient. D-948) attached Office action of system of not the back) of 1(d). must be submitted. Note the	9
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. Interview Summar Paper No./Mail D 8), 7. Examiner's Amend	ate	
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DETAILED ACTION

1. This Office Action is in response to the Amendment filed November 18, 2004.

Claims 1-19 are now pending, wherein claims 1-10 are drawn to a composition comprising iron nanoparticles dispersed homogeneously throughout; claims 11-16 are drawn to a method to form the composition; claims 17-19 are drawn to a composition having iron nanoparticles dispersed homogeneously throughout.

Allowable Subject Matter

- 2. Claims 1-19 are allowed.
- 3. The following is an examiner's statement of reasons for allowance:

The present claims are allowable over the closest references: Ting et al. (US 5,389,400).

The present invention relates to a composition obtained from heating to a temperature of from about 300°C and above a mixture of

(a)	ferrocenylethynyl containing component	1,4-bis(ferrocenyl)butadiyne, 1-ferrocenylethynyl-4-(phenylethynyl)benzene, 1,3-bis(ferrocenylethynyl)benzene	
(b)	aromatic-acetylene containing component	1,2,4,5-tetrakis(phenylethynyl) benzene, 1,2,4-tris(phenylethynyl benzene, 1,3,5-tris(phenylethynyl)benzene	
wher	wherein the iron nanoparticles homogeneously dispersed throughout		

(summary of claim 1)

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Ting et al. (US 5,389,400) disclose a carbon/carbon composite obtained by the steps comprising (a) producing vapor grown carbon fibers by the pyrolysis of a hydrocarbon gas in the presence of a small particles of iron having diameters less than 10 nm, which are spread on a substrate as a catalyst for fiber growth at 900°C under a mixture of methane and hydrogen, (b) forming a preform from the resulting carbon fiber, (c) carbonizing the preform at 900°C over a three day period, and then (d) carbonizing, the carbonized preform at 2800°C prior to densification (Example 1). However, Ting et al. (US 5,389,400) does not teach or fairly suggest a composition comprising nanoparticles homogeneously dispersed throughout and fails to teach or suggest the particularly claimed process used to form the composition.

In light of the above discussion, it is evident as to why the present claims are patentable over the prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the 4.

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examiner should be directed to Ling-Siu Choi whose telephone number is 571-272-1098.

If attempt to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu, can be reach on 571-272-1114.

LING-SUI CHOI PRIMARY EXAMINER

December 10, 2004